

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/US2004/022660

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F21L4/00 G02B6/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F21L G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 788 587 A (DIDELON ISMAEL EMMANUEL HENRI) 21 July 2000 (2000-07-21) page 1, line 1 - page 3, line 16; figures 1-3	8
Y		1-3
A		4,5,9-12
X	US 5 664 346 A (BARKER DALE E) 9 September 1997 (1997-09-09) column 4, line 61 - column 8, line 26; figures 1-8	8
Y		6,7,10
Y	EP 0 392 741 A (OXLEY DEV CO LTD) 17 October 1990 (1990-10-17) column 1, line 1 - column 2, line 44; figures 1,2	1-3,6,7
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

10 November 2004

Date of mailing of the international search report

03/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>US 6 394 621 B1 (HANEWINKEL III WILLIAM HENRY) 28 May 2002 (2002-05-28) column 3, line 35 - column 4, line 65; figures 1-7</p> <p>-----</p>	10

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
FR 2788587	A	21-07-2000	FR	2788587 A1	21-07-2000
US 5664346	A	09-09-1997	US	5502903 A	02-04-1996
			US	5604999 A	25-02-1997
			US	5720121 A	24-02-1998
EP 0392741	A	17-10-1990	GB	2230349 A	17-10-1990
			EP	0392741 A2	17-10-1990
US 6394621	B1	28-05-2002	NONE		